

CDF Operations Report

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Store Summary (10/31~11/6)

Store	Start Date	Time [hrs]	Up-time [hrs]	Initial Lumi	Delivered Lumi	Live Lumi	Eff.	Comments
4477	10/31	29.9	27.9 [91%]	170.4	5.65	4.07	72%	Record Init. Lumi, Startup problems
4480	11/2	17.0	14.5 [83%]	159.1	4.02	2.88	72%	Problem from start with L1 track trigger
4481	11/3	27.7	26.2 [95%]	160.4	5.30	4.20	79%	Data logger problem
4488	11/4	17.1	16.2 [94%]	69.8	1.82	1.61	89%	High LOSTP at the start; Si standby
4489	11/5	24.5	22.3 [90%]	130.8	4.14	3.21	78%	Muon/Plug HV trip, Si standby,abort gap losses
Total	10/31 ~11/6	116.2	107.1 [92%]	138.1	20.9pb ⁻¹	16.0 pb ⁻¹	76%	

Store 4477: Record Initial Luminosity – 170.4E30

The shot started with a record Recycler stash of 320E10m pbars

CDF Operations [1]

DAQ/Trigger

- Two main problems at the start:
 - 1. L2 decision PC hung due to PCI bus contention between the L2 card and the hard disk fixed.
 - 2. had trouble with L1 track trigger (internal clock problem)
 - -- Swapped the TDCs in the collision hall and fixed the problem.
- Performed an upgrade works: L1 track trigger, L2 silicon track trigger
- DAQ related jobs: Event Builder/L3 proxy work, Consumer Server Logger installation of new disk array, trigger table test...

Silicon

- Put silicon in standby several times when proton losses in abort gap high
- Si was in standby for 25% of time we're writing data for Store 4489
- We're meeting with the AD to come to some agreeable protocol for assessing the amount of beam in the abort gap.

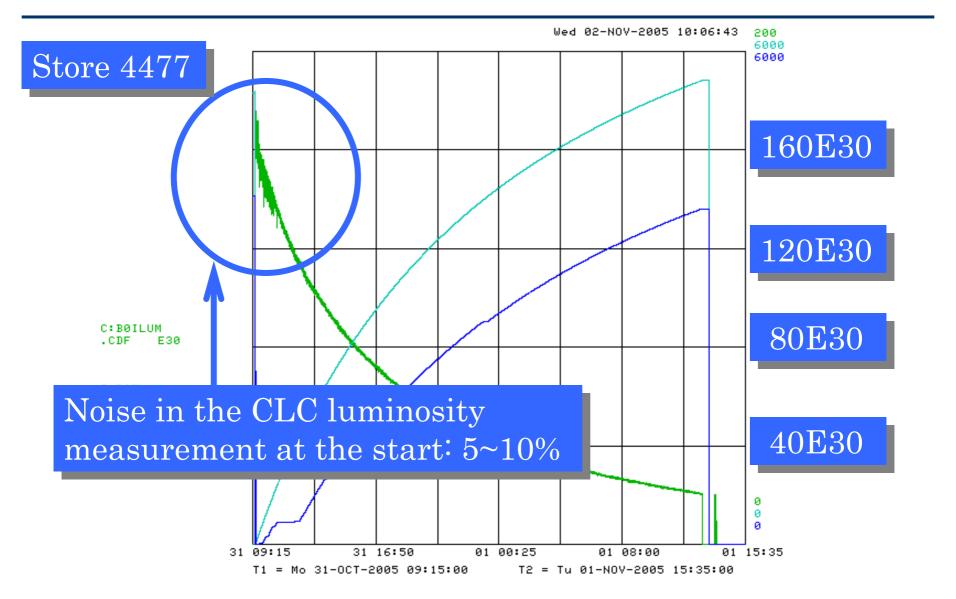
Luminosity monitor

• "Noise" in the luminosity measurement – we are investigating now.

Muon

Some downtime due to muon detectors at start.

Issue on Luminosity Measurement



CDF Operations [2]

Controlled access (11/1)

- Readout controller board in the calorimeter crate was replaced.
 There were some collateral problem in b0cot09; fixed.
- Central Muon detector: North wall stack signal cables were unswapped.

Controlled access (11/2)

 Swapped the TDCs in the collision hall and fixed the L1 track trigger problem.

Some good news @

- Single Run Integrated Luminosity Record: 4.08pb⁻¹ (Run 206537)
- Record Efficiency Shift with Int. Lum > 1 pb⁻¹: 97% (11/3, eve shift)

Run II Integrated Luminosity

